

IN THE CLAIMS:

1-20. Cancelled.

21. (New) A method of installing a liner in a drilled bore lined with casing, comprising:

running the liner into the bore such that the liner is positioned in an at least partially overlapping relation with the casing; and

plastically deforming a portion of the liner to extend into the casing having an enlarged inner diameter portion, the liner having a localized plastic deformation resulting in subsequent increase in liner diameter.

22. (New) The method of claim 21, wherein the portion of liner is deformed by rolling expansion, that is an expander member is rotated within the liner with a face in rolling contact with an internal face of the portion, to cause compressive plastic deformation of the liner.

23. (New) The method of claim 21, wherein the deformed portion of the liner is annular.

24. (New) The method of claim 21, wherein the portion of liner is deformed to create a pressure-tight seal between the liner and casing.

25. (New) The method of claim 24, wherein the seal formed is a metal-to-metal seal.

26. (New) The method of claim 24, further comprising providing the portion of liner with a band of relatively soft metal which is plastically deformed during the expansion of the liner portion.

27. (New) The method of claim 21, wherein the portion of liner is deformed to extend into the enlarged inner diameter portion of the casing.

28. (New) The method of claim 21, further comprising deforming the casing to define the enlarged inner diameter portion prior to running the liner into the bore.
29. (New) The method of claim 21, further comprising deforming the enlarged inner diameter portion of casing together with the liner.
30. (New) The method of claim 21, wherein the liner is deformed at two or more axially spaced locations.
31. (New) The method of claim 21, wherein the liner is initially secured relative to the casing by deforming the liner by radially extending circumferentially spaced areas of the liner to form corresponding areas of interference fit between the liner and the casing.
32. (New) The method of claim 31, wherein the areas are then extended circumferentially to form annular areas of interference fit between the liner and casing.
33. (New) The method of claim 21, further comprising cementing the liner in the bore.
34. (New) The method of claim 33, wherein cementing is achieved by pumping cement from a surface to the lower end of the liner through a combined running and cementing string and tool, directing the cement into the annulus between the liner and the bore wall and displacing fluid from the annulus, to substantially fill the annulus with cement.
35. (New) The method of claim 33, wherein the portion of the liner is expanded once the cement is in place in the annulus.
36. (New) The method of claim 35, wherein the liner is rotated as the cement is passed into the annulus.

37. (New) The method of claim 21, wherein the liner is run into the bore on a running tool carrying an expander including a body and at least one radially extendable member mounted thereon, the running tool being rotatable to move the member around the portion of the liner to create the desired deformed portion.

38. (New) A method of installing a liner in a drilled bore lined with casing, comprising:

running the liner into the bore such that the liner is positioned in an at least partially overlapping relation with the casing; and

plastically deforming a portion of the liner to extend into a portion of the casing having an enlarged inner diameter, wherein the deformation creates a profile in the inner diameter of the liner.

39. (New) A method of installing a liner in a drilled bore lined with casing, comprising:

running the liner into the bore such that the liner is positioned in an at least partially overlapping relation with the casing; and

plastically deforming a portion of the liner to extend into a portion of the casing having an enlarged inner diameter, the portion of the casing having an enlarged inner diameter comprising a casing portion having a reduced wall thickness.

40. (New) The method of claim 39, wherein the liner is hung from the casing by engagement between the liner and the portion of the casing having an enlarged inner diameter.